

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An electronic device provided with an active element having a first electrode and a second electrode, which are separated from each other by an active layer containing a semiconductive or electroluminescent organic material, wherein the organic material of ~~an~~ the active layer is a polymer comprising conjugated conjugation units which are separated from each other by non-conjugated intermediate units B in such a manner that the conjugation of ~~the~~ first and ~~the~~ second conjugation units A_1 , A_2 is interrupted in an intermediate unit B_1 , and wherein the active layer comprises an intrinsic, undoped semiconductive material, wherein the polymer comprises a main chain with side chains, a side chain containing a B_1 - A_1 - B_2 - structure, wherein B_1 , B_2 are intermediate units and A_1 is a conjugation unit.

2. (Currently Amended) The electronic device as claimed in claim 1, wherein the polymer ~~is~~ includes a polymer network comprising ~~a first and a second main chains~~ which are interconnected via the side chains, ~~a side chain containing a B₁-A₁-B₂ structure, with B₁, B₂ being intermediate units and A₁ being a conjugation unit.~~

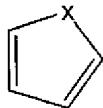
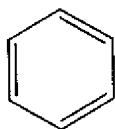
3. (Currently Amended) The electronic device as claimed in claim 1, ~~characterized in that wherein~~ the polymer ~~is~~ includes a copolymer comprising a main copolymer chain, the intermediate units B and the conjugation units A being present in the main copolymer chain as alternating units . . . -A₁-B₁-A₂-B₂-

Claim 4 (Canceled)

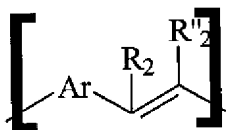
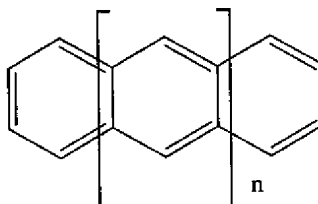
5. (Previously Presented) The electronic device as claimed in claim 1, wherein the intermediate unit B₁ comprises a mesogenic group.

6. (Previously Presented) The electronic device as claimed in

claim 1, wherein the conjugation unit is a unit of formula Y_n ,
wherein $2 \leq n \leq 8$ and Y is selected from the group composed of



X =, NH, S, O



wherein

Ar is an aromatic ring system with 4 to 6 carbon atoms that may be substituted with a substituent selected from the group composed of an unbranched C_1 - C_{20} -alkyl-, C_3 - C_{20} -alkoxy-, C_1 - C_{20} -alkylsulphate-, a branched C_3 - C_{20} -alkyl-, phenyl or benzyl group, and that may comprise up to 4 heteroatoms selected from the group composed of oxygen, sulfur and nitrogen in the aromatic ring system, and

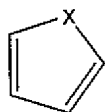
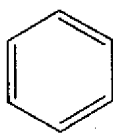
R_2 and R''_2 are selected from the group composed of a hydrogen atom and a C_1 - C_{20} -alkyl- and a C_4 - C_{20} -aryl group, which groups may comprise substituents.

Claim 7 (Canceled)

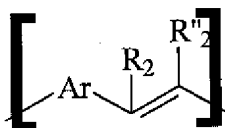
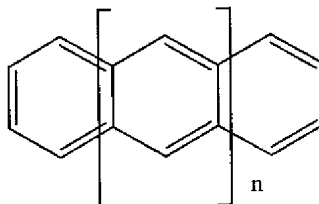
8. (Previously Presented) The electronic device as claimed in claim 1, wherein the active element is a transistor and wherein a third electrode is present which is separated from the active layer by a dielectric.

Claim 9 (Canceled)

10. (Previously Presented) A monomer having a $B_1-A_1-B_2$ structure, wherein A_1 is a conjugated unit of formula Y_n , wherein $2 \leq n \leq 8$ and Y is selected from the group composed of



X =, NH, S, O



wherein

Ar is an aromatic ring system with 4 to 6 carbon atoms that may be substituted with a substituent selected from the group composed of an unbranched C₁-C₂₀-alkyl-, C₃-C₂₀-alkoxy, C₁-C₂₀-alkylsulphate-, a branched C₃-C₂₀-alkyl-, phenyl or benzyl group, and that may comprise up to 4 heteroatoms selected from the group composed of oxygen, sulfur and nitrogen in the aromatic ring system, and

R₂ and R''₂ are selected from the group composed of a hydrogen atom and a C₁-C₂₀-alkyl- and a C₄-C₂₀-aryl group, which groups may comprise substituents,

wherein B₁, B₂ are non-conjugated groups, and

wherein the monomer forms an intrinsic, undoped semiconductive material of an active layer of an electronic device, the active layer including first and second electrodes.

Claim 11 (Canceled)

12. (Previously Presented) A polymer comprising:

conjugated conjugation units A and non-conjugated conjugation units B;

an intermediate unit B_1 mutually separating a first and a second conjugation units A_1 , A_2 in such a manner that conjugation of the first and a second conjugation units A_1 , A_2 is interrupted in the intermediate unit B_1 , wherein the polymer is prepared from a monomer having a $B_1-A_1-B_2$ structure, and wherein at least one of the groups B_1 , B_2 comprise a reactive end group, and

wherein the polymer comprises an intrinsic, undoped semiconductive material and forms an active layer of an electronic device, the active layer including first and second electrodes.